

**ABSTRACT**

Nanoscale and supersaturated solutions of mineral substances or trace elements, and a process for the production of nanoparticles, mixtures of nanoparticles, nanoscale solutions, as well as supersaturated solutions in general

A process is presented, with the help of which well-balanced mineral substance and trace element preparations with a very high biological value can be prepared. The core of the process is the combination of a special grinding process and a treatment of acids which conform to food. In particular, multi element solutions of nanocluster, as well as general supersaturated solutions of hardly to dissolve species can be prepared by use of the processs, which have a high health use. The corresponding mineral substance concentrates are described and specified in detail in this paper as are the multi-component mineral substance preparations and solutions presented for the the first time.